

**1. Modify the following texts so that the statements are true:**

LTE stands for (~~Light Terminal Emulation~~) and is a registered trademark owned by (~~ETTF~~).  
**Long Term Evolution** **ETSI**

The LTE (~~wired~~) interface is (~~compatible~~) with older 2G and 3G networks.  
**wireless** **incompatible**

The goal of LTE was to (~~decrease~~) the capacity and speed of (~~wired~~) data networks.  
**increase** **wireless**

The LTE network consists of the core network named (~~E-UTRAN~~) and the access network known as (~~EPC~~).  
**E-UTRAN** **EPC**

The (~~logical~~) channels are the real implementation of the transport channel.  
**physical** **transport**

The (~~physical~~) channels correspond to data-transfer services.  
**logical** **transport**

The (~~physical~~) channels describe how and with what characteristics data are transferred.  
**logical** **transport**

(~~Only one~~) application(s) may be running in a UE at the same time.  
**Multiple**

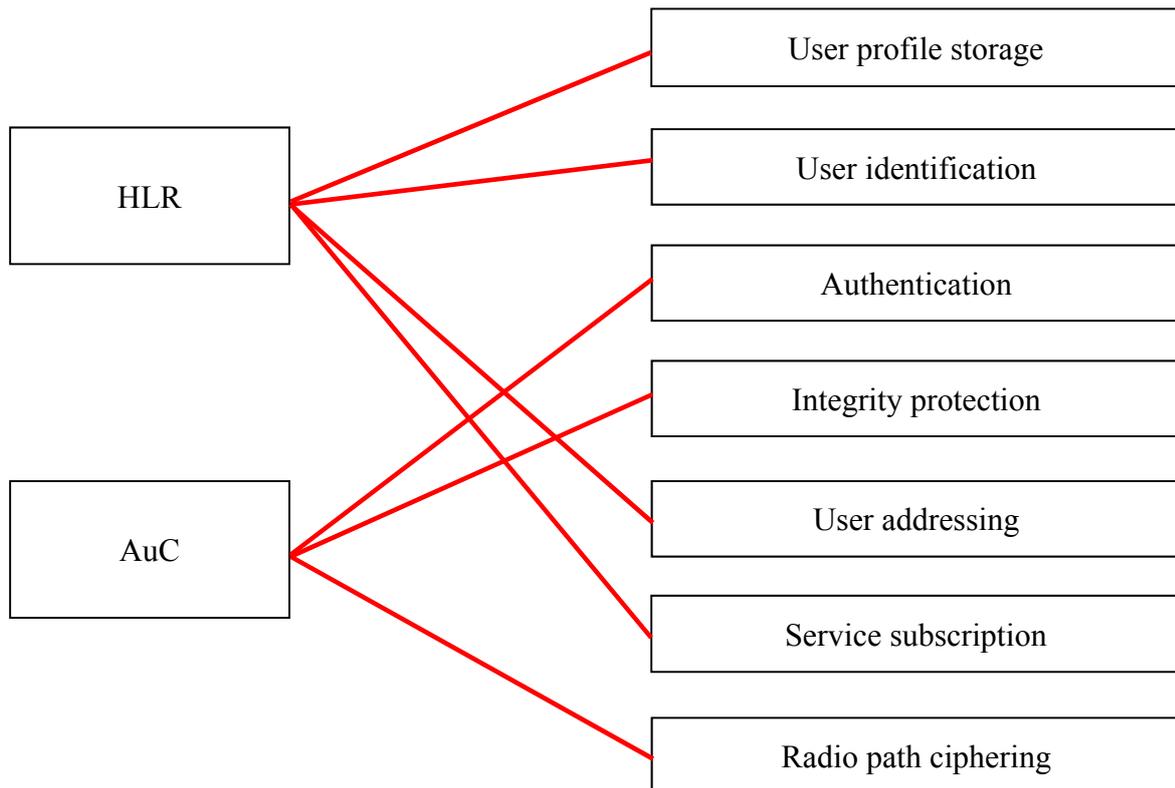


**2. Assign the individual technologies to the corresponding generations of mobile systems:**

UMTS, LTE, CDMA2000, WiMAX, GPRS, NMT, EDGE, HSPA+, GSM, LTE-A

1 <sup>st</sup> generation	NMT
2 <sup>nd</sup> generation	GSM, GPRS, EDGE
3 <sup>rd</sup> generation	UMTS, CDMA2000
4 <sup>th</sup> generation	HSPA+
5 <sup>th</sup> generation	WiMAX, LTE, LTE-A

**3. Assign the terms from the left column to the corresponding properties on the right (one or more).**



**4. Mark the true statements.**

- X 2G GSM cellular networks were initially designed only for circuit-switched services.**
- X The packet switching domain is composed of the MSC/VLR and Gateway MSC.**
- LTE is based on PS services so voice communication is natively supported.
- X Voice communication is in LTE supported only by using IMS services.**
- Voice communication in LTE cannot be possible.
- LTE is based on CS services so voice communication is natively supported.
- X LTE Advanced adds downlink and uplink multiple antenna transmission to the LTE**